

# **MODEL AND MODELING FOR PREDICTING AN HEPATITIS B PATIENT TO RESPONSE TO INTERFERON TREATMENT**

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## **ABSTRACT OF THE DISCLOSURE**

10 By genotyping analysis in combination with Monte-Carlo  
estimation, a model for predicting an hepatitis B patient to response  
to interferon treatment is constructed. With this model, by  
selecting STR markers combination, the hepatitis B patients are  
divided into three groups comprising high response rate, ambiguous,  
and low response rate, respectively, and hence, predictions of  
15 treatment response for HBV patients, especially for interferon  
therapy, are obtained.